

**KUEBLER - ABSOLUTE-CODED  
 ANGULAR TRANSMITTER SENDIX M3668  
 / M3688, MAGNETIC, CANOPEN, Ø36 MM  
 SERIE M3668**

- Housing diameter Ø36 mm
- CANopen
- New multicolor technology
- IP67



**PRODUCT DESCRIPTION**

Please refer to the images below for ordering information.

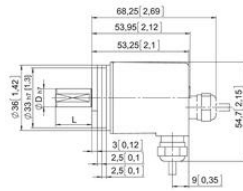
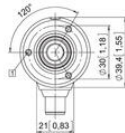
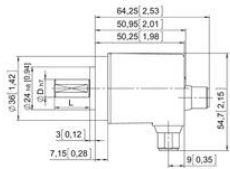
<b>Order code</b>	<b>8.M3668</b>	<b>.XX2X</b>	<b>.2122</b>
<b>Shaft version</b>	Type	a b c d	e
<b>a Flange</b>	1 = clamping flange, IP67, ø 36 mm [1.42"] 3 = clamping flange, IP65, ø 36 mm [1.42"] 2 = synchro flange, IP67, ø 36 mm [1.42"] 4 = <b>synchro flange, IP65, ø 36 mm [1.42"]</b>	<b>c Interface / power supply</b> 2 = <b>CANopen DS301 V4.2 / 10 ... 30 V DC</b>	<b>e Fieldbus profile</b> 21 = <b>CANopen</b>
<b>b Shaft (ø x L), with flat</b>	1 = ø 6 x 12.5 mm [0.24 x 0.49"] 3 = ø 8 x 15 mm [0.32 x 0.59"] 5 = ø 10 x 20 mm [0.39 x 0.79"] 2 = ø 1/4" x 12.5 mm [0.49"]	<b>d Type of connection</b> 1 = axial cable, 1 m [3.28'] PVC A = axial cable, special length PVC *) 2 = radial cable, 1 m [3.28'] PVC B = radial cable, special length PVC *) 3 = axial M12 connector, 5-pin 4 = <b>radial M12 connector, 5-pin</b>	<i>Optional on request</i> - Ex 2/22 (only for connection types 3 and 4) - surface protection salt spray tested
*) Available special lengths (connection types A, B): 2, 3, 5, 8, 10, 15 m [5.56, 9.84, 16.40, 26.25, 32.80, 49.21'] order code expansion .XXXX = length in dm ex.: 8.M3668.432A.2122.0030 (for cable length 3 m)			

<b>Order code</b>	<b>8.M3688</b>	<b>.XX2X</b>	<b>.2122</b>
<b>Hollow shaft</b>	Type	a b c d	e
<b>a Flange</b>	2 = <b>with stator coupling, IP65, ø 46 mm [1.81"]</b> 3 = with spring element, long, IP65 5 = with stator coupling, IP67, ø 46 mm [1.81"] 6 = with spring element, long, IP67	<b>c Interface / power supply</b> 2 = <b>CANopen DS301 V4.2 / 10 ... 30 V DC</b>	<b>e Fieldbus profile</b> 21 = <b>CANopen</b>
<b>b Blind hollow shaft</b> (insertion depth max. 18.5 mm [0.73"])	1 = ø 6 mm [0.24"] 3 = ø 8 mm [0.32"] 4 = ø 10 mm [0.39"] 2 = ø 1/4"	<b>d Type of connection</b> 1 = axial cable, 1 m [3.28'] PVC A = axial cable, special length PVC *) 2 = radial cable, 1 m [3.28'] PVC B = radial cable, special length PVC *) 3 = axial M12 connector, 5-pin 4 = <b>radial M12 connector, 5-pin</b>	<i>Optional on request</i> - Ex 2/22 (only for connection types 3 and 4) - surface protection salt spray tested
*) Available special lengths (connection types A, B): 2, 3, 5, 8, 10, 15 m [5.56, 9.84, 16.40, 26.25, 32.80, 49.21'] order code expansion .XXXX = length in dm ex.: 8.M3688.242A.2122.0030 (for cable length 3 m)			

**TECHNICAL DATA**

<b>Connection</b>	Cable, M12
<b>Housing diameter</b>	36 mm
<b>IP class</b>	IP65, IP67

Mounting	Shoulder
Output	CANopen
Resolution MT	24 bit
Sensor type	Absolute
Shaft diameter max	10 mm
Shaft diameter min	6 mm
Supply voltage dc max	30 V DC
Supply voltage dc min	10 V DC
Temperature operational max	85 °C
Temperature operational min	-40 °C
Version	Multiturn



Interface	Type of connection	Cable (isolate unused wires individually before initial start-up)	Signal	+V	0 V	CAN_GND	CAN_H	CAN_L
2	1, 2, A, B	Signal						
		Cable colour	BN	WM	GY	GN	YE	

Interface	Type of connection	M12 connector, 5-pin	Signal	+V	0 V	CAN_GND	CAN_H	CAN_L
2	3, 4	Pin	2	3	1	4	5	

Top view of mating side, male contact base



M12 connector, 5-pin

Interface	Type of connection	Cable (isolate unused wires individually before initial start-up)	Signal	+V	0 V	CAN_GND	CAN_H	CAN_L
2	1, 2, A, B	Signal						
		Cable colour	BN	WM	GY	GN	YE	

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Top view of mating side, male contact base



M12 connector, 5-pin